Format No. CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-04-22-30** **Date: 19/04/2021**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04."
Agency	:	Sri Y A Dhanashekar, No.28/20, Bale Anjaneya Temple Street, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK D/EPMT-8/W.O/262/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-04-21
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	19/04/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/04/2021	19/04/2021	150.32 X 149.34 X 150.11	22449	8.138	562.1	25.0	25.3
2	Cement Concrete Pavement	M30	12/04/2021	19/04/2021	151.47 X 151.31 X 150.21	22919	8.947	611.3	26.7	
3	Cement Concrete Pavement	M30	12/04/2021	19/04/2021	151.52 X 150.37 X 150.01	22785	8.281	554.6	24.3	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-04-22-30** **Date: 10/05/2021**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04."
Agency	:	Sri.Y.A Dhanashekar, No:28/20, Bale Anjaneya Temple Street, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-8/W.O/262/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-04-21
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/05/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/04/2021	10/05/2021	149.18 X 151.26 X 151.40	22565	8.889	750.1	33.2	33.2
2	Cement Concrete Pavement	M30	12/04/2021	10/05/2021	149.74 X 150.89 X 150.56	22594	8.496	745.6	33.0	
3	Cement Concrete Pavement	M30	12/04/2021	10/05/2021	149.05 X 149.92 X 150.71	22346	8.741	742.8	33.2	

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Quality Manager

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2021-04-22-30 Date: 10/05/2021
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04."
Agency	:	Sri.Y.A Dhanashekar, No.28/20, Bale Anjaneya Temple Street, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-8/W.O/262/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-04-21
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/05/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/04/2021	10/05/2021	151.62 X 149.87 X 149.32	22723	8.889	765.8	33.7	33.4
2	Cement Concrete Pavement	M30	12/04/2021	10/05/2021	149.76 X 150.57 X 150.83	22549	8.496	738.6	32.8	
3	Cement Concrete Pavement	M30	12/04/2021	10/05/2021	149.02 X 151.63 X 149.38	22597	8.741	759.9	33.6	

• The results obtained are satisfactory as per standard requirements

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Authorized Signatory
Quality Manager

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Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 12/04/2021

Lab ID	:	CP-2021-04-22-30
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04."
Agency	:	Sri.Y.A Dhanashekar, No 28/20, Bale Anjaneya Temple Street, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK D/EPMT-8/W.O/262/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-04-21
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	12/04/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	05/04/2021	12/04/2021	149.42 X 150.05 X 151.07	22419	8.727	418.6	18.7	18.6
2	Drain Side Wall Concrete	M20	05/04/2021	12/04/2021	149.19 X 151.81 X 150.22	22648	8.936	419.7	18.5	
3	Drain Side Wall Concrete	M20	05/04/2021	12/04/2021	149.38 X 149.97 X 150.45	22401	8.632	418.9	18.7	

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Authorized Signatory
Quality Manager

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 12/04/2021

Lab ID	:	CP-2021-04-22-30
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04."
Agency	:	Sri.Y.A Dhanashekar, No:28/20, Bale Anjaneya Temple Street, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK D/EPMT-8/W O/262/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-04-21
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	12/04/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	05/04/2021	12/04/2021	149.96 X 150.96 X 151.84	22638	8.727	429.7	19.0	18.4
2	Drain Side Wall Concrete	M20	05/04/2021	12/04/2021	149.09 X 149.67 X 151.47	22315	8.936	405.4	18.2	
3	Drain Side Wall Concrete	M20	05/04/2021	12/04/2021	151.24 X 150.33 X 149.85	22735	8.632	413.7	18.2	

* The results of tested are satisfactory as per standard requirements.

Note

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Quality Manager

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2021-04-22-30
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04."
Agency	:	Sri.Y.A Dhanashekar, No:28/20, Bale Anjaneya Temple Street, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK D/EPMT-8/W.O/262/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-04-21
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	12/04/2021

Date: 12/04/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	05/04/2021	12/04/2021	151.51 X 149.44 X 149.95	22643	8.727	408.0	18.0	18.4
2	Drain Side Wall Concrete	M20	05/04/2021	12/04/2021	150.29 X 151.68 X 150.60	22795	8.936	420.6	18.5	
3	Drain Side Wall Concrete	M20	05/04/2021	12/04/2021	149.01 X 149.41 X 151.15	22263	8.632	416.0	18.7	

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Quality Manager

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ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-106

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 09/04/2021

Lab ID	:	CP-2021-04-22-30
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04."
Agency	:	Sri.Y.A Dhanashekar, No:28/20, Bale Anjaneya Temple Street, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK D/EPMT-8/W.O/262/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-04-21
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	09/04/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	02/04/2021	09/04/2021	149.27 X 151.39 X 149.18	22598	8.727	426.3	18.9	18.7
2	Drain Bottom Slab Concrete	M20	02/04/2021	09/04/2021	149.97 X 150.02 X 150.75	22499	8.936	412.7	18.3	
3	Drain Bottom Slab Concrete	M20	02/04/2021	09/04/2021	150.76 X 149.47 X 151.69	22533	8.632	422.7	18.8	

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 03/05/2021

Lab ID	:	CP-2021-04-22-30
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04 "
Agency	:	Sri Y A Dhanashekar, No 28/20, Bale Anjaneya Temple Street, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK D/EPMT-8/W O/262/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-04-21
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	03/05/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	05/04/2021	03/05/2021	151.57 X 151.47 X 150.18	22959	8.747	533.9	23.3	23.2
2	Drain Side Wall Concrete	M20	05/04/2021	03/05/2021	151.50 X 151.51 X 151.66	22954	8.655	522.2	22.8	
3	Drain Side Wall Concrete	M20	05/04/2021	03/05/2021	151.10 X 149.38 X 151.82	22572	8.511	532.2	23.6	

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-10೬

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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Certificate No.: TC-5548

Format No. CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 12/04/2021

Lab ID	:	CP-2021-04-22-30
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04 "
Agency	:	Sri Y A Dhanashekar, No 28/20, Bale Anjaneya Temple Street, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK D/EPMT-8/W O/262/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-04-21
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	12/04/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	05/04/2021	12/04/2021	149.82 X 149.41 X 149.29	22384	8.727	418.5	18.7	18.9
2	Drain Side Wall Concrete	M20	05/04/2021	12/04/2021	150.71 X 150.73 X 149.74	22716	8.936	429.8	18.9	
3	Drain Side Wall Concrete	M20	05/04/2021	12/04/2021	150.00 X 151.18 X 151.98	22676	8.632	430.8	19.0	

* The results obtained are satisfactory as per standard requirements

Note:

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All information furnished by Customer/Representative

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

CIVIL Pro Sl. Date BANGALORE

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2021-04-22-30** **Date: 14-04-21**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04."
Agency	:	Sri.Y.A Dhanashekar, No 28/20, Bale Anjaneya Temple Street, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK D/EPMT-8/W.O/262/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-04-21
Sample Type /Size	:	Precast Cover Slab (250mm)
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	09/04/2021

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	200.53	250.49	3.117	31577	230.9	7.3	6.8	8.5
2	Cover Slab-2	200.48	250.51	3.120	31561	230.2	7.3	6.8	8.5
3	Cover Slab-3	200.50	250.53	3.123	31567	230.6	7.3	6.8	8.5

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-04-22-30** **Date: 09/04/2021**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04."
Agency	:	Sri Y A Dhanashekar, No 28/20, Bale Anjaneya Temple Street, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK D/EPMT-8/W O/262/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-04-21
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	09/04/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	02/04/2021	09/04/2021	149.73 X 149.73 X 149.04	22419	8.727	417.2	18.6	18.8
2	Drain Bottom Slab Concrete	M20	02/04/2021	09/04/2021	150.13 X 150.18 X 149.14	22546	8.936	424.1	18.8	
3	Drain Bottom Slab Concrete	M20	02/04/2021	09/04/2021	151.40 X 151.27 X 151.44	22903	8.632	432.6	18.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-04-22-30** **Date: 30/04/2021**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04."
Agency	:	Sri Y A Dhanashekar, No 28/20, Bale Anjaneya Temple Street, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK D/EPMT-8/W O/262/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-04-21
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	30/04/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	02/04/2021	30/04/2021	150.03 X 149.86 X 151.38	22483	8.747	522.4	23.2	23.1
2	Drain Bottom Slab Concrete	M20	02/04/2021	30/04/2021	151.93 X 150.38 X 151.90	22847	8.655	513.7	22.5	
3	Drain Bottom Slab Concrete	M20	02/04/2021	30/04/2021	151.84 X 151.21 X 151.93	22959	8.511	540.0	23.5	

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	CP-2021-04-22-30 Date: 25-03-21
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04."
Agency	:	Sri.Y.A Dhanashekar, No:28/20, Bale Anjaneya Temple Street, Yelahanka, Bangalore-560064
Customer Reference	:	BBMP/EE/YNK D/EPMT-8/W.O/262/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	23-03-21
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	23-03-21

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	211	211	4.2	95.8	90-100
3	10 mm	2894	3105	62.1	37.9	25-55
4	4.75 mm	1698	4803	96.1	3.9	0-10
5	Pan	197	5000	100	0	–

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QC ABSTRACT

NAME OF WORK: "Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04."

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeability method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	KERB	Core Compressive strength	One Test		1	1
		Corrected Cylinder Compressive strength	One Test		1	1
		Equivalent Cube Compressive strength	One Test		1	1
7	Precast (100mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
8	Precast (250mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
9	RCC(M20)	Compressive Strength(7days and 28days)	10 set /301-350 cum	341.94	20	20
10	Cement Concrete Pavemet (M30)	Compressive Strength(7days and 28days)	4 set /31-50 cum	31.08	8	8

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2021-04-22-30** **Date: 26-03-21**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04 "
Agency	:	Sri Y A Dhanashekar, No:28/20, Bale Anjaneya Temple Street, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK D/EPMT-8/W O/262/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	23-03-21
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 2013, 53 Grade Ordinary Portland cement Specification . IS 4031 (Part 1,2 3,4,5, 6,11) 1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11 DETERMINATION OF DENSITY , Clause 6
Date of test	:	24-03-21
Environmental Conditions during test	:	Temperature 26°C Humidity 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.24	–
2	Finess by Air permeablity method (m^2/kg,Min)	273.6	225m^2/kg, Min
3	Density (gm/cc)	3.13	–
4	Standard Consistency (%)	28.0%	Not specified
5	Initial Setting time	175 minutes	Not less than 30 minutes
6	Final Setting time	270 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

Note:

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	CP-2021-04-22-30 **Date: 26-03-21**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Improvements to Roads and Drains at Allalasandra Ambedkarnagara Kanaka Nagara and LBS Nagara in Ward No-04."
Agency	:	Sri.Y.A Dhanashekar, No:28/20, Bale Anjaneya Temple Street, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-8/W.O/262/2020-21
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	23-03-21
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	23-03-21

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	374	374	2.5	97.5	90-100
3	20 mm	5728	6102	40.7	59.3	30-70
4	10 mm	4773	10875	72.5	27.5	10-35
5	4.75 mm	3464	14339	95.6	4.4	0-5
6	Pan	661	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2021-04-22-30**

Date: 26-03-21

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	10.9	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.6	
3	Specific Gravity	2.68	–
4	Bulk Density(Loose) (Kg/l)	1.53	–
5	Bulk Density(Compacted) (Kg/l)	1.57	–
6	Water Absorption(%)	0.2	–

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